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CLAIMS

1. A holder for a microtitreplate (12) or an array of
5 separate test tubes, characterised in that it comprises a first panel (1) provided with a recess (2) for receiving each well (3) of the microtitreplate (12) or test tubes and a second panel (7), which together with the first panel (1) and three
10 side walls (5) form an inner space (8), wherein the fourth side (9) comprises an inlet (10) for gas or liquid, whereby the gas or liquid entering the inner space (8) via the inlet (10) leaves the inner space (8) via said recesses (2), along the outside of the
15 wells (3).
2. A holder according to claim 1, wherein the second panel (7) is made up by the microtitreplate (12) itself.
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3. A holder according to claim 1, wherein the second panel (7) is a releasable lid.
4. A holder according to claim 1, 2 or 3, wherein at
25 least one protrusion (13) is provided on the first panel (1) in order to secure a gap (6) between the wells (3) and the recesses (2).
5. A holder according to anyone of the previous claims,
30 wherein at least one baffle (11) is provided in front of the row of wells (3) positioned closest to the inlet (10) for gas or liquid.

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6. A method for cooling or heating samples contained in wells (3) of a microtitreplate (12) or an array of separate test tubes, characterised by inserting the microtitreplate (12) or array of separate test tubes
5 into a holder comprising a first panel (1) provided with a recess (2) for receiving each well (3) of the microtitreplate (12) or test tubes and a second panel (7), which together with the first panel (1) and three side walls (5) form an inner space (8), wherein
10 the fourth side (9) comprises an inlet (10) for gas or liquid, and letting gas or liquid enter said inner space (8) of the holder and further out through said recesses (2), along the outside of the wells (3).

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